NEC MultiSync® EA242F
LCD 23.8" Enterprise Display

Datasheet

Powering workspace communications

Powering your PC/notebook and all your devices through a single cable, the MultiSync® EA242F is your workspace hub; no docking station required, the 65W USB-C connection means an efficient, clutter-free workstation from which to manage your communications. Easily increase your display area using DisplayPort-out to daisy-chain multiple displays, no additional cabling required.

User comfort is fundamental with full height adjustment, tilt, pivot and swivel supporting customised personal setup, whilst built-in low blue light technologies guard against eye fatigue without compromising true-to-life colour performance. Available in black or white, the 24" EA242F complements office interior design and ergonomics.

The connectivity advantage continues beyond USB Type-C with DisplayPort, HDMI, VGA and USB A for fully future-proof flexibility supporting new open office standards in hot desking and 'bring your own device.'

Benefits

In-demand display size – the popular 23.8" display with Full HD resolution is the perfect size for busy office workspaces.

Future-proof flexibility – wide connectivity provides high-level flexibility with DP, HDMI, USB Type C, USB A and audio output.

Clutter-free workspace – Powerful 65W USB Type-C connectivity manages video, audio, power and USB via a single cable

Easy multi-screen set-up – Daisy-chain multiple display configurations through DisplayPort-out, no additional cables needed

Maximum attention to health and well-being – the outstanding ergonomic height adjustment from 0 to 150 mm; eye pleasing built-in Low Blue Light and Flicker-Free technology; plus integrated ambient light sensor all combines to tailor the perfect individual setup to boost productivity.

Product Information

Product Name	NEC MultiSync® EA242F
Product Group	LCD 23.8" Enterprise Display
Order Code	60005246 (WH), 60005032 (BK)

Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	24 / 60.47
Screen Aspect Ratio	16:9
Colour Gamuts	101.6 % sRGB; 75.3% AdobeRGB, 72% NTSC
Pixel Pitch [mm]	0.275
Brightness (typ.) [cd/m²]	250
Contrast Ratio (typ.)	1000:1 (5000:1 dynamic contrast ratio)
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	5 (grey-to-grey)
Colours [Mio.]	16.78 (6-bit per colour)

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 83
Vertical Frequency [Hz]	50 - 75

Resolution

Optimum Resolution	1920 x 1080 at 60 Hz			
Supported	1024 x 768; 1280 x 1024; 1280 x 720;	1280 x 960; 1440 x 900; 1680 x 1050;	1920 x 1080; 640 x 480; 720 x 400;	720 x 480; 720 x 576; 800 x 600

Connectivity

Digital	1 x DisplayPort; 1 x DisplayPort out; 1 x HDMI; 1 x USB Type C; USB ver. 3.1 (3 down / 1 up)
Analog	1 x D-sub 15 pin

Electrical

Power Consumption on Mode [W]	15 (Eco Mode 2); 21 (typ.)
Power Savings Mode [W]	0.3
Power Supply	0.9 A/0.5 A; 100-240 V; internal power supply

Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 85
Storage Temperature [°C]	-10 to 60

Ergonomics

Height adjustable stand [mm]	150 (Landscape mode)
Screen Tilt [°]	-5 to 35
Screen Swivel [°]	-170 to 170
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

Mechanical

Bezel Width [mm]	0.8 (left/right/top); 15.8 (bottom)
Dimensions (W x H x D) [mm]	319.1 x 555.6 - 615.4 x 250 (Portrait mode); 537.7 x 336.6 - 486.6 x 250 (Landscape mode)
Weight [kg]	With stand: 7
VESA Mounting [mm]	100 x 100 (4 points)

Additional Features

Colour Versions	Black Front Bezel, Black Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	DDC2B/2Bi; VESA DDC/CI; VESA DDC2Bi
Audio	Integrated Speakers (1 W + 1 W)
Adjust Functions	Advanced NTAA (Advanced Non-Touch-Auto-Adjustment)
Shipping Content	Control Sync Cable; DisplayPort cable; Monitor; Power Cable; Set-up Manual; USB Cable; USB-C Cable
Safety and Ergonomics	CE; EAC; EnergyStar 8.0; ErP; Flicker-free; ISO 9241-307 (pixel failure class I); Low Blue Light; PSB; RoHS; TCO 8.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA; WEEE
Warranty	3 years warranty incl. backlight; optional 1st to 3rd year 24/7 usage warranty; optional 4th to 5th year warranty extension

Green Features

Energy Efficiency	Ambient light sensor; Energy consumption: 13 kWh/1000 h; Energy efficiency class: D; Human sensor
Ecological Standards	ErP compliant; RoHS compliant; WEEE

TÜV Ergonomics

TÜV GS

TCO 8.0

RoHS

ErP

CE

This document is © 2022 Sharp NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 06.06.2022